

Table 6.1: Average Monthly Temperature, (2013-2018)

(degrees celsius)

Month	2013			2014			2015			2016			2017			2018		
	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average
January	16.9	5.1	11.0	17.8	5.8	11.8	21.8	4.5	13.2	19	3	10.25	17.9	6.3	12.1	16	6.2	11.1
February	22.2	7.9	15.1	19.7	6.8	13.3	24.2	8.1	16.2	24	5	13.65	18.9	8.5	13.7	17.5	8	12.75
March	22.2	10.7	16.5	23	9.6	16.3	28.2	11.7	19.9	26	9	16.78	19.6	9.3	14.45	21.2	10.8	16
April	22.9	12.4	17.7	25.8	12.1	19.0	27.0	13.4	20.2	20	12	16.24	22.9	13.3	18.1	23.7	13.3	18.5
May	24.7	15.3	20.0	26.2	15.5	20.9	29.2	18.8	24.0	30	13	19.45	25.7	15.7	20.7	24.1	15.2	19.65
June	26.9	18.1	22.5	27.3	17.7	22.5	29.5	19.7	24.6	31	14	22.75	26.3	18	22.15	26.8	18.2	22.5
July	25.8	18.2	22.0	29.8	18.4	24.1	30.5	19.6	25.1	30	17	21.55	26.8	18.6	22.7	27.5	19	23.25
August	26.5	17.7	22.1	27.5	18	22.8	30.6	19.6	25.1	31	18	23.89	26.1	18.8	22.45	27	18.7	22.85
September	26.2	17.0	21.6	26.4	16.4	21.4	31.2	19.1	25.1	29.5	16	21.49	25	18.4	21.7	24.6	17.8	21.2
October	23.6	13.7	18.7	26.2	12.7	19.5	29.0	13.8	21.1	29	10.5	19.17	24.1	14.9	19.5	23.1	12.6	17.85
November	21.4	9.2	15.3	21.1	10.1	15.6	24.1	10.1	17.1	25	8.5	15.89	20	10.1	15.05	20.5	9.8	15.15
December	16.8	6.9	11.9	18.2	7.5	12.9	20.1	6.4	13.3	21	6	13.26	18	8.9	13.45	16.8	6.7	11.75

Source: Statistical Yearbook of Bhutan, NSB

Table 6.2: Average Monthly Rainfall by Station, (2013-2018)

Month	2013			2014			2015			2016			2017			2018		
	Mongar	Lingmethnag	Yadi	Mongar	Lingmethnag	Yadi	Mongar	Lingmethnag	Sherichu	Mongar	Lingmethnag	Sherichu	Mongar	Lingmethnag	Sherichu	Mongar	Lingmethnag	Sherichu
January	2.80	0.00	0.00	1.00	...	3.00	0.00	60.10	17.80	14.00	12.00	8.60	18.00	...	...	0.00	...	...
February	39.60	49.00	60.00	7.00	...	10.00	0.00	1.50	0.80	1.40	0.00	2.50	3.60	...	...	0.10	...	...
March	51.00	48.80	...	11.60	...	16.00	14.40	0.90	18.20	45.40	6.90	60.00	57.60	...	...	63.00	...	...
April	103.60	117.90	...	111.80	...	84.00	113.80	7.90	98.80	94.60	92.80	79.00	52.60	...	...	29.80	...	...
May	222.40	206.00	196.00	95.60	...	...	66.80	...	84.40	91.40	129.30	71.00	92.20	...	...	68.80	...	...
June	156.00	179.70	...	182.40	...	167.00	143.80	...	210.80	74.40	43.00	nan	121.40	...	...	131.20	...	...
July	108.60	86.30	...	68.40	...	75.00	182.60	...	100.40	333.80	242.70	189.00	195.00	...	...	111.60	...	...
August	224.80	133.40	...	211.60	...	140.80	229.60	...	208.80	66.20	18.00	34.40	179.00	...	...	131.80	...	...
September	174.80	117.60	...	213.60	...	172.00	111.90	...	78.20	89.40	144.10	69.00	193.20	...	...	106.20	...	...
October	95.00	51.50	...	4.60	...	2.00	4.40	...	20.30	173.80	172.20	75.80	100.20	...	...	3.80	...	...
November	3.20	4.60	...	0.00	...	0.00	7.40	...	0.00	0.00	0.00	0.00	12.00	...	...	0.60	...	...
December	3.60	0.20	...	0.00	...	0.00	0.00	...	0.00	2.80	0.00	0.00	0.00	...	...	25.20	...	...

Source: Statistical Yearbook, NSB

Table 6.3: Details of Protected Areas and Parks that falls within the Dzongkhag

Name of Area/Parks	Establishment year	Total Area (Sq.km)
Thrumshingla National Park	2008	905.05
Bumdeling Wildlife Sanctuary	1998	1520.61
Biological Corridors	...	3307

Source: Bhutan RNR Statistics 2017, MoAF

Table 6.4: Details of Quantity of Timber supplied and Royalties realized, ( 2012-2018)

Year	Quantity of Timber Supplied (M3)	Royalty realized (Nu.Millions)
2012	21822	1.598
2013	21822	1.598
2014	131369	2.3
2015	6,677.6	2.3
2016	8429.9	2.8
2017	19007	0.94
2018	...	...

Source: Bhutan RNR Statistics 2017, MoAF

Table 6.5: Details of Community and Private Forest by number and area, (2012-2018)

Details	2012		2013		2014		2015		2016		2017		2018	
	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)
Community Forest Management Group members (hhs.)	390	...	202	...	...	...	203	...	...	...	81	...	81	...
Community Forest	6	3108.57	9	4483.13	...	...	13	6926.25	...	...	15	8150.46	32	7594.35
Pvt. Forest	...	...	132	33	...	...	21	24.33	20	22.83	...	...	...	...
Pvt. Nursery	2	0.7	2	0.5	1	0.75	...	...	3	...	3	...	3	...
Non-wood Forest Products Management Groups	...	...	...	...	...	...	...	...	1	...	3	...	4	...

Source: Dzongkhag RNR Sector

Table 6.6: Land Area and Damages Caused by Types, (2012-2018)

Detials	2012	2013	2014	2015	2016	2017	2018
<b>Damages caused by landslides <sup>1</sup></b>							
Farmland (acres)	...	...	...	...	3	8	9
Houses (number)	...	...	...	...	1	3	2
Roads (km)	...	...	...	...	...	...	...
<b>Damages caused by floods <sup>1</sup></b>							
Farmland (acres)	...	...	...	...	6.00	...	39.60
Houses (number)	...	...	...	...	...	2.0	...
Roads (km)	...	...	...	...	...	...	...
Crops affected by drought (acres)	...	...	...	...	...	60.4	61.4
Crops damaged by wild animals (acres)	...	...	...	...	8.0	...	...
Incidence of forest fire	6	3	2	5	10	8	4
Area damaged by forest fire (ha)	3486	1700	3000	1819.98	3876.37	2383	567
Incidence of earthquake (number of cases reported) <sup>1</sup>	6	3	2	1	0	0	0
Houses damaged by earthquakes (number)	3486	1700	3000	0	0	0	0
Acreage of reforestation <sup>2</sup>	...	45	...	...	82.33	55.17	55.17
Houses/structures damaged by fires (number) <sup>3</sup>	5	0	1	0	1	3	2

Source: <sup>1</sup> Dzongkhag Environment, <sup>2</sup> Forest Sector & <sup>3</sup> Fire Division, Royal Bhutan Police